

**Complete if Known**

(Use as many sheets as necessary)

of 2

Application Number	10/077.633
Filing Date	February 15, 2002
First Named Inventor	Thundat et al.
Art Unit	4645 1753
Examiner Name	— Mutschler
Attorney Docket Number	920976.90172

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number* Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
BCL		WO 00/13784	03-16-2000	Motorola, Inc.		
BCL		WO 98/57157	12-17-1998	Ecole Centrale De Lyon		

Examiner Signature	<i>Brian L. Matute</i>	Date Considered	6/2/2004
-----------------------	------------------------	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP §01.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

5483514

20031020



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/077,633		
		Filing Date	February 15, 2002		
		First Named Inventor	Thundat et al.		
		Art Unit	1045 1753		
		Examiner Name	Mutschler		
Sheet	2	of	2	Attorney Docket Number	920976.90172

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BM		INOUE S Et Al, "Chemical-Imaging Sensor Using Enzyme", Sensors and Actuators B, Elsevier Sequoia S.A., Vol. B32, no. 1, 04-01-1996, pgs. 23-26, XP000636382.	
BM		BROWN G N Et Al, "Development and Characterization of a Titanium Dioxide-Based Semiconductor Photoelectrochemical Detector" Analytical Chemistry, American Chemical Society, Columbus, vol. 64 no. 4, 02-15-1992, pgs. 427-434, XP000261109.	
BM		OWICKI J C Et Al, "The Light-Addressable Potentiometric Sensor: Principles and Biological Applications", Annual review of Biophysics and Biomolecular Structure, Palo Alto, CA, Vol 23, 1994 pgs. 87-113, XP002073025.	

Examiner Signature	<i>Brian I Mutschler</i>	Date Considered	6/2/2004
--------------------	--------------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

5483514

20031020